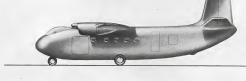
Aviation Tevs Migraw-Hill Publishing Company, Inc. Migraw-Hill Publi





Douglas Post-War Feeder Line Transport: Specifications have been released by Douglas Aircraft Co. for its post-war 24-passenger Skybus. Powered by two 700 hp. engines, the plane will have a flight range of 600 miles and a cruising speed of 190 mph. (Story on Page 7.)

Release Specifications on 24-Passenger Douglas Skybus
Transport plane, designed for post-war production, will have take-off gross weight of 17,300

More Pacific Advances Believed to Be Near

Allied Aviation Builds 3-Place Twin-Engine Amphibian

Six Months' Plane Output 51,960; Heavies Lead in June

A *Better* RELIEF VALVE For Aircraft Hydraulic Systems



A planoperrod person is used in the Vedera Aurenti Relief Video insured of the colorency speciafished fiftee acting mechanism. The result is resolvent speciafished all poster accessory throughout is solder posted of the Park Section of the Park Section (Section 1) and the posted of Prior 19 Sectional coapsory for explaint (sec ceremb below). Valvers Balasand Passon Eduk Video (Radol Al-X1209 Section) on to gene, endorming in AV questification. Artist expansion or to gene, endorming in AV questification. Artist expansion was home to be a section of the prior of the Park Section (Section 1) and the home operating priors recognition (20 on 2200 pers, adjustment in

Amy Arr Forces; their distriction comply with the AN-0000 carelogs.

VICKERS Incorporated - 1404 UAKWAN BLVD.

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VICKERS Aircraft
Balanced Piston
RELIEF VALVE

use No.

the AVIATION NEWS

Washington Observer

RUSSANNY TWIN-PERFORM VISIT—Although the Residue action delegation is in the United States astronology for preliminary are notiferate fields, in nonelect being performance or an interest of the performance of the control of the c

Proclams Indication study by J. Pecker Vis-Seate on "The Cheepshys of Well, and Trains-Seate on "The Cheepshys of Well, and Trainsless of the Cheepshy of the Cheepshy of the feet teeth as the Article Crisin, it is known that the Estimate set still cleans servine theoretic to the Estimate set still cleans servine theoretic to war. The reade under contemplatine wealth servine would be annihilated, the transcension contentive teether than the state of the transcension of the contemplation of the transcension of the contentive teether than the contemplation of the distribute classes of the Estimate International Contemplation of the Cheepshy and the Cheepship of the Cheepship and the Cheepship and the Cheepship of the Cheepship and the Cheepship and the Cheepship of the Cheepship and the Ch

WOILD FOLCE FORCE—The 26th Air Force, with its very lang range B-29 "Superfactivenes," in the first perceited refillings manifestions of any world police force that may be expansed. Strong informs bencherdened and ground forces could reach my trackle qualtum. The contract of the contract name of the contract of the contract name of the conWashington observers note. If it is true that national and international policy follows invention, very long range alternft may well mark the beginning of important changes.

the beginning of frequential changes.

* * *

AIRPORT PLAN DELAYID—The Master
AFFOCT Plan of Cryl Accounties Administra-

tion will be bild up from three to are months an execution of a numericated in the Lee concludes which which she for submanage of the plan to Congressed for comprehensive ferror superior letters between the congressed for comprehensive ferror superior being a comprehensive forced superior being a submanage of the congress of the U.S. be unclasfed. The study new will be extended and prevention

GLIBBE CUMACK—Usins revisions mended in top military carrier, gifter production model in top military carrier, gifter production will distributh throughout the rest of the year. Ordered of work topse carrying naterions transferred to the production of the producti

ARRENT PRODUCTION OFF—The June substited in format which file below pobelish counsed for more concern settade the industry shant it did made. Production generally is good and the armed services are getting the uspeal types and artiflines weedlik responsish shall. It was seted that the War Department reported surpluse production was five process below substitution and the way of the production Board and it was off 98 percent from the May support. The Army of 98 percent from the May support. The Army



Supply glider leads on partially-completed simfletd in Normandy AVIATION NEWS - July 10 1984



AVIATION NEWS Tuby 10, 1944

Edward Hadenston 1327-63 Neticnal Press Building. Published and Encodes Office

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AVIATION NEWS . July 10, 1944

British candalate for noti, your siring me to rieses have been unanating. New South Atpatt-way by South African Airways . . . Two composies are still territor out lightslanes for the Army, Piper with about 200 a month, and Convolr's Wayne Division with over 100 "Sen-. Delicopter entont rate is still less than 100 a year, . . . The Array has conducted experiments with a Donatos C-67, stripped of its engines and med so a glicke, . . . U. S. in sending a great number of its algoralt engine output, including many Perhard Rella-Sayes Merlins, to Brotain for British sirceast. . . about exceeded its Cold cabadate in here by 15% . . . Chance Vought fell behind with "Cur-

PROCEAM SHIPTS-Charles Wilson and officials were making similar aunomorporates

TORRIGH LACENSING OF IL. S. PLANES ... The aircraft industry is giving exected study to advisability of following Douglas Aleccalt's lead in penuitting models to be built in other countries. Apparently, Douglas officials are clined to protect their own sireraft industry to Washington Observer

planes. Then, the only way American mann. DC-4. This plan gues the Caradian Sectory. that clearlist agreements might be drawn to in comes Ametralia South Africa and characters



Paper Culs over captured Cestelforte, Italy NACA'S PROBLEM-Problem of public sup-





Specifications on 24-Passenger

Douglas Skybus Are Released Transport plane, designed for post-war production, will have

take off gross weight of 17,300 pounds; range 600 miles with cruising speed of 190 miles on bour. Douglas Aircraft Co., Sents might be developed in Mexico

medy at 5.883 feet. It will be never design ared by two 201 to engues Sells P.Ruikhouds Morable-Warle the b Other Firms' Plans -- Ramors are

Prototype-While encapany offi-

Warplane Surplus Situation Eases observers believe.

Power transports likely to be re-

flexible leading for the feeder sp-

sacks for higher business Pag- ally will eliminate many of the Another Shrbus



When the not so "Flat Top" launched a Box Kite, CONTINENTAL-DIAMOND was a "baby" too

A CULTUS from FEXET Assetsor to bind and place off from a Busineship. Place Greening Green Pringle Corp.

brown in 1911 that C.D made its first shoet of hardcoand and tubes. These parts are used at communication sweeze, radios, control instruments, generoting and

The "know how" secunsheed by C-D engagees and loss of Peace & War is at your disposal to help solve your "What Material!" problem C-D product declark THE PLASTICS ... DILECTO -- a lower part of the part of th NON-METALLICS, DIAMOND Federate Print, THE

INSTRUCT OFFICES: New York - Classians - Changes Spectonalwy, S. C.

Massfasturers of Laminated Floatics since 1911-NEWARK



filten. The well tend to abrelente May Stay Degrees...A second factor that is receiving a large

planes, particularly under the

life for pursonnel and supplies of damaged areas. The more ex-An observers in this country view it, it is probable that planes in poor condition will be scripped

ony. The same will be true in Alfanor Elaundine Problem - A War Production Board's P-43 grplaces. This will energic to re- energing a core in the transport tion and correspondency est the built as production furlities her mord of surfrees for the surplus come available in the plane plants. teansports. While thus is a noga- so that there will not be a period

No Fighters Sold Although news reports last typera warlable are reversi light Frank Ronan, DPC was-pressvertible to suppo operations.

hope than actuality, but which is entirely possible, is that the Army same time it has been cutting off

in which the cely planes available A Secondary Costs-Once our-

\$ 9,000 Available—Mouravisie, the

9,990 plants available for sale to turned over to il sa surplus. Five plus, cheefly in the trainer ente-



SOVIET FIGHTERS GUARD II. S. BASE-First thickneeds of Russian arrests are seen in they have in the U.S.S.R., such as one home precessfully

country and mall recent a that one of Ramon Salder and for shaddle headers repretions over Managem.

Industry Man Named To Termination Body R. D. Campbell suigoed by Aeronoptical Chamber to Wright ordination of courses proceed-

Corresand Headsporters, World

splitted Vultee, Curtim-Wright, Aeronautical Chamber. They met E D Campbell, of Cartins-Wright,

Bullalo, was named so the reasoby Col Edwis V. Rawlinez The

Campbell and others at Dayton

Civil Air Attachés planning to supposed some of tion of coal sir attedate, who DIRECT AAF CONTRACT TERMINATIONS Razed changes in derica and war-dine needs make contract terminations a difficult task of the Arms Air Forces Materiel Consessed. Officers are Bare. Vandalia, Olivo. Pictured experience a chart during a recent tespectron are, left to right Lorat Col. D. II. Silberberg, assistant to Brig. Decision, Majoriel Command, Col. W. H. Draper, chief of Contract Tersion. Materiel Corresand.

Mr. Rosswelt two weeks ago will be an extension of similar secedures has become meresagaly entical on the West Court during Bayle, of Lockheed, and Van Lear Other Associatments Likely duction, each affecting bundleds of substituctors. yet to an industry-government

consentee on this problem, is ex-Montana Body OK's Model Aviation Bill tees for surframe, engine, propol-

Begulates Peresits -- William G. I Subcontractors Affected-in this connection hundreds of West Coast state our truffic and operation to week. Present too will be nearly

sales, pending further study of

VIATION NEWS . July 10, 1944



GROUND SERVICE BY DOG SLED: Transport Douglas R&D-1 to take the saul frees the landing field to the

Form New Materials Coordination Body

ects being investigated in the FLeckhood-Carl B Source, vice nersent dealitation of various Coordination in the materials

F Groundwark—The Committee on work for a program for future de- Shifts to Mustane

matter is now under way, and the NACA, Army Air Percest Coordinator of Besearch, Civil.

second from the building soven

Aircraft Officials' Srock Dealines

SEC sets persons on transactions Lawrence D. Bell, president of

Bell Aircraft Corp., sold 1,444 purchase of 1,000 Republic com-314 shares, Edward 7 Price. president of Solar August Co. bought 2,000, giving him 20,025 The committee will compile, dis-

of the month. Dwight Whitner, purchase of 100 shares of the ougland preacipal stockholder of Arrcraft Accessories Corp., seld 1,000 O. C. Boehl, of the Novy Office of Mirlines Oriet - There were no smable transactions by officials of compagies' securities John H common through a holding com-At one point in the assembly of

Six Months' Plane Output 51,960; Heavies Top Schedules in June Total production last month shows ducline of 9.5 percent,

traceable partly to shorter work month, says Charles E. Wilson: B-29 plants are bright spot. By SCOTT HUBSHEY

In the fest sex menths of this at this time-was down, due to year, the averagly reductive produced difficulties in obtaining certain \$1,960 sirplenes, despite the fact pacts, and that the corput would

but types and-most respectant-5,709. February 5,759. March 9,117; April 6,365; May 4,562 and Dros Net Serious-The reduction

under 5 888 and then it was 7 588 Thus, what was described in

all. Wilson noted that the ertsbane. He snusted they were not b Rengans for Decline -- Part of the

for in the June entire! Wilson said Heavy Bamber Outset Us-Out-

29 plant, which Wilson declared the schedule and others empared in work on the B-22 continues



CITED FOR AAF PILOT TRAINING Max C. C. Mourley, president of Cal-Aero, Mirs Lorse and Poters state

-not a vital part of the program tors' Peet 250, Americas Legion

plant will complete the B-25 con- chase of 79 stures, 149 abares, \$2

Three wor-accordents of Trans.

Big Role Claimed For Diesel Planes Proposents any case of control.

safety factor and occopony will sive prominent place in private sircraft market.

Fuel economy, freedom from ably archas, the long-range

Communitie Cost—A comparison Dissel strernft engines, from 100

P Adagtability-Although a water is sowething to be debated. It is surcraft Diesels in this operative

The Other Side The secondarying story on Dient energy process the wante Wat mosts be prevented

Breever, they poent out that

a lost of some 1.366 hours of flight. feee land and sea graft. The Tlanding borges

Diesel fun! burns only under ex-

the high pressure in the cylinder offered members. The mound an-AVIATION NEWS . July 10, 1944

of the engine, and then only when sensually known, the Diesel prun-

A-1925, appopulate to Test Prior

Once, Goodwan admits-and only operated two-cycle Dussel engines. builders Thu possibility, how-

Diesel fuel, he poster out, now coats from 3 is to 7 ceets a gallon,

ADMA Membership To 48 Companies

With completion of its midrear 48 companies, representing 16 in

hereas priprity, OPA, ware hour

Wentherhead Co. Association offices

Coast Port Owners

See Post-War Boom Preparations are under way for

By SCHOLER BANGS

Pret Owners Hold On-Corners More defizie has been the isspections of a still mederate, but

b Leasing Armort some lessons

LA-SAN FRANCISCO-When ownerst for more than a year after

probably get, meresingly higher -- Completing in Les Angeles a

nounce that the CAA's "Title over- twice as many passengers as DC-lie



on the expectation that 200,000 in the country within three to four

ing between 1,893 and 1,300 ele-

Amore Western factor smallcants, other than existing major

munity of more than 1,500 persy-

German IP

Although being able to ap-German Luftwalle is consid-

PEDERAL DIGEST Plane Gas Projects

80% Completed Percoloum Admenistration line progress of 100-occupe process.

The program called for 189 sep-

built in 1942, 71 in 1943, and 75 POST-WAR LABORATORYh Lists Companyet - Mr. Device L. C. Cole, TWA station rearmore,

War Production Board effected Sold Alverdy Moder Industry Advisor 1.869.851.000 board feet OPC comment is beingled with Arlestes up to provide additional phase facilities of granupoint for 8600 and Coay is provide sublishmed plant institute at Whitemann in plant the sublishme as method for in-terior and the sublishme and the sub-plishment of the sublishment of the substitute of the sublishment of the substitute of the results in the 1544-154. The substitute of the content is the 1544-154 will be substitute of the County feel, we fill the results of the Growk feel, we fill the results of the control of divergionship of tracking research convenients of the substitute of the convenients of the substitute o 3 Traphathan—Muniformers are expel by the fixed to improve promptly of materials and avoidable by improve inconsistent to and draw. Complete, towards you need to and draw. Complete, towards you need not produce information when opposed offices. A recognition for military of the con-dense of the military of property of the A recognition for military of property of the

July M.D.-American Association of Association States of Association States Shown Shown Change July 18 18-03. Trails Conference of America.

July 18 25 - Link Aspect West Conference Street Accessed Association Warking

July 13-th-World Alread Conference, Ass. \$100-Starth Country State Avisibes

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Experience St., and contact in the c up ared to case 1,300 origination models come on the Englisher reach that are opposingly in effect of it Magazinium phosp dess Property (but he a reache to the confidence of the first property of the prope

Worth of Light

Carrier Established The worth of the light extrict in the "CVER" or expert current of light, first crainces, on several a Take Londing ReleaseThe 1998 Ineers and men of Navy Air Greep

Luftwaffe Crippled By Raids-Amold General circs fashers of energy

nir wenkeren. By WILLIAM G. KEY

Pre-investor Ingressions - At

er thenes were working out But there was nothing pussing The German have had to some

Here are some of his views. The devastation results of our

A A E MOBILE CONTROL TOWER-

▶The beneadous consection in the ▶Landaus stress were open 48

Target the lake of which no avi- #When he left this country. Arnold explained, he was told the them in these executrations, and . The marale of the Germans must The Berlin raid of June 21 was days have been practically unop-

Bombe ve Robote

flying bombs will come when 12,000 can be not assured a howard hadn't realized it until he Phoes of transport planes in the

AVIATION NEWS . July 18, 1944

Argust.

File property of hadger elected that the convenience the abstract of hadger electeder that has

Manyle of Employee of Fitter Civalent

Airport Experts To Meet in Capital

Papers to be presented by 16 na-Stateen leading account experts

den. Assutant Secretary of Corp-

director of the Micharan Beard of Military amports will be dis-

cussed at a luncheon session, while

b Pest-Way Ostipok-W Belley

port classifications and the need for a nation-wide standard air * Legislative Problems - Harry

Licenses for Vers

U.S. Chamber Urges Federal-Aid Ports

the United States Chamber of Chamber Committee urges

tioned by an opurishin formula

sponshilly for sirpert work

There should be arroor! planning

of system. Governmentally 5would result in destructive comes-

Master Plan-The Civil Arro-

from 12.500 to 17.500 fields mary thon the 2,500 that are now

PRIVATE FLYING

Allied Aviation Builds 3-Place Twin-Engine Light Amphibian

Now craft conservered almost entirely of places bonded place wood, is scheduled for use flights shortly; designed for sale below \$4,000 in post-war market.

De BLAINE STUBBLEFELD

A three-way two-enrised light in their present plant, once oppoment. The management is given ulacturer books to bring the selling January, 1941 It produced the

no other twin-engand light are-

places at the rate of 100 per mouth | Done Glafer Carepleted-Only one | alleran controls and the gas line

of the LRA-1 gladers was preduced enters, was unreasily efficient

neer with Glenn Martin, Lockheed General Respons Co. Baltomore,



New Lightweight Apphibians The Triggmer, Affind



"The Trimmer": Three-cuerters front view of Allied America's preceded

need be disconnected. The outer . Business and Pleasure - The Detechability of the landard planes by using available water for Witness or addition to broated kind the Trusper, Two dram-shaped

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Needs No Hengar-Consumoy en-Southeastern's New loss destructive effect on plantic usual arrelate motals. The arr- Program Starting Convenies netting from you beached dry without bad effect

Southeostern Air Service, Inc. Molding Patents-The corpora fillings It has conducted product + Display Plane-First actual step tion research on other-than-wood fowers conversion was a display of play rown at Jarken Curtui-Sher-glass lammates, and combi- ment in the Army mist training If the Trimover amphibian is

same type. This plane, if devel- quanting the public with private

establishment of a region-water Parketed Service-The system

Executive offices for Southeast-

Laird's Policy-Cody Land, rest.





Dry run Susie

Account the her training hanger at Lockhood's student mechanics the operating and marrie

ground, but in its operation at exemplates the

kind of practical training taught by Lockberd m

Cockell Without Wines This codesit without wines never leaves the

errored every man spends time in the prior's ease part of the fundamental training by eats. When is an expert PSS mechanic-ready to follow

& Place in the February

Lackbook will remisee entitiery places and train the men to maletain them as long as there is a need. Vactory must be wen before the "ter sare" of peace can begin. But when it comes, Lockbred

.... Lockheed



"AN" Pipe and Tube Fittings

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TELLING THE WORLD

. The Wood Court Aircraft War Pro-* FAD, employee publication of the Parchild dynam of Parchild Enneares the following changes. I

* The War Advertising Council is new at 11 West 62nd Street, New York, early 1781

merror, int Offices have been merror, the Outreet have been

for the 1945 forel wear breakened

. Young and Rubsens, Inc. New York has been awarded a War De-



Old Sykes has a new truck on order

Air commerce begins and ends

sir service today -- 1,700 osbasa In this development, Wright Cocheses will make their own contribution to operating revenue pacable power plants they will provide an additional paylend





"One Pound Saved Can Earn \$18000 a Year"



Send for Free Boots Weight-Saving Booklet Today-Actual senshes of over 250 different self-locking outs used in aircraft, connectionizely reviewed for the neers, operating and maintenance personnel. Copy will be sent you, free, on request-



UP TO 60 IRS PER PLANT SAVED BY BOOTS NUTS · Being of mend, this are TOUGHER. · Cee be seed over and only again.

· "Outlest the obline" · Now special factorings on every · Will be disadjed on somerecial

hosts Africalt Not Corporation, Goograf Offices, New Connes, Comp. Dogs. L.

THE AIR WAR

More Pacific Advances Are Near: Black Widow Joins Night Fighters

Commentator hiers at Phillippine fundings by year-end: Kennew's new Far-Fastern air force reads for suffer Ian resurance FTrue-Table Advanced - 1: 2 now data on night fighting techniques disclosed.

The first tamefule secult of the than 600 miles. By the time Marcueference last source is being Nimits should be ready to send a the L200-mile leap from Kwelulein pan aparent Lappe, some 1,600 to Sergan At least per other vides eligibly worthwest. That few weeks-a jump from the Schouler Islands to sprowling conclusion. Halmahera, some 544 miles slight-The clean-up of Hisk kdand doubtful if anything on earth marrier article Service and 1944. These recess counted with

learn through the Gilberts-Mar MetArthur henself will return to FAction Stepped Up-It may be

edwarce. From Halmahera to philitous landings in the Boxies reports that Halmahera as Dayso on Mindango Island is less 1900 miles south of Tokyo) and the



Northwes's P.-61 "Black Widow": This respectful com- uncertaining, but more will be bound at the P.-61 or



in the recent formation of an Allied since developed effective equipment and inches assure nighteral Kenney, combining the U. S. Netherlanda East Indica unita F'Black Widow" Stalks Entroy

articles have appeared, and it may



AAF FLYING SUITS Combes creue of AAF note have a depending on minion Left to readel, sest of crone leather, and a

case of the P-61 il formed the nucleus around which the enter a two-man team is needed-oriot and radio-operator. The British. strock bumber (A-200) to night by special versions of the Bensfighter and Moogaste starrish to combat, but is expellent

few months after the battle of

Wasp 2,199 hp. engines); endur-(depotes dedice and blind land type mieron, plus easy landing with full man fluxe. Watch for tralled interception) equipment is right fighters a series of vectors, or effective use of much! fighter verdirections, to follow which will bring the night fighters to positions Dersier \$17 (DO-217 J) and MEplanes at family close range. The

combat aviation gasoline **Phillips**

Phillips

AVIATION GASOLINE

autorulas of all reght fighters

(including the Jame') is agreeme

PERSONNEL.

1. A Savensky farmenly executive saurised to the president of Inter-rists Arreadt and Enginees on Corp.



and G. W. Marshaus were elected edster of the Sulmann Sun, has

Walter Classes, nationally known. Franchild Engine and Alaplane Corp. director. Harris will be editor of

hased from select duty with the octor date in 1942 and served for two years, acting as harean officer to

Products, Inc., has passed Manchey Frederick F. Robinson, Your-prosident. Unidea H. MeGerds, short of the Gen-

opposed for the AAF Several

R. G. Akw but been named rates men-

Alies W. Harra, formerly expiring to CAP national headquarters and



SOLE CIVILIAN LAB CHIEF

J. R. Johnson, estimably recormost laboratory at Wright Piets

G. M. Williams, Streeter and versor vice-president of Curtics-Witch's vice-prendent Williams has ap-

Need a Motor that can lift 500 times its own weight?

running electric motor weighs only a pourd. But copy power is packed in that one pound of motor than has over been before. With Lear proving it out hundle a quarter ton

And it has to be ready to do that in an instant. Recorder this motor means control flaps, and bester shorters on warplanes. And six postsures mount high at the speed these ships fly. On airceast, even the weight of a cost of paint has to be considered. So this sector had to be

There's little room in an sirpless. So 2 had to be small. Designing it seems starting from scratch.

There was no precedent for this kind of ordecries You may never need a queter like this, it may cost more than you calple want to pay But if you are looking ahead coward manafacturing some projections pendent, we were you to know that such a motor has been developed along with \$50 other Less products.

And equally important, we want you to know LEAR that there is available the kind of copinereing thinking that exceld conceive and produce it. PLANTS From, O., and Good Replik Nov., Marchell Al. Here Fails, San Anguire, Ostrope, Status, Company, Providence





bade terewell to Rear Admirol James L. Kandman, Communder,

William Cooks, vice-spreadent in Mewite & Peers, now experimendant the a system

num efficiency in tolest office opera-

Crusers and Destroyers, Parisic Fleet, in Post Sarbor. He succeeds clude: Moreofee, I. B. Bebrook of Gree-Some I Seleme Diricals charman and Miles H. Anderson and Henry D lands, vice-regulant H. Lefter

rentarior E. B. Weeller who has re-

Copt R. J. Shorp, of the Union of

ner of the Port served as chard

Alexa Massaley of the Purkard Motor Stock of the Whrie Motor Co. C C Paul G. Heffman of The Strafebuler. denta, George W. Mason of Northsgreen, and John W. Anderson of Age-



Field. Left to right are Maj. Gen. N. L. Petrov, Nep. Gen. P. F. Berenin, John C. Leibe, droopin manager: Mai, Gen. A. A. Asserbal, and Mar.

Let SIMMONOS take over part of the Control Room Job

Coursey to the secol in other technical fields, the 1. comber of instruments and controls tends to increase with the power and size of sixerafe. But just as correley conditions in other fields are brane handfed surcessitually, the Simmonds-Hobson Associatic Engine siccraft engine operation.



No cas would consider beyong a 5-dial code toke Moders electronic cauticorus has donsatesased recognize of absolutely equal charge with calls



COMMENT COLUMNS THE WAY STEEL THE ST MAKE ASSESSED.

Stand Office States + Medicales + Hebrand + Manager AVIATION NEWS . July 10, 1944



A current Focks Well 100 declares a master make enough by a resourceful enough country by

4. und which relieves the pilot of consumply watching monifold moreous and advantage has movers. New models will soon extend soonmusic covered so other important engine funcout the application of these operats to military





FEATURES

Long Life

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These derives have resire before have horogonated in a pump.

Compilar information and segmenting the compilar information and segmenting the compilar information and the compilar informatio

PISTON TYPE PUMPS
7 G.P.M. at 3500 R.P.M.
VARIABLE VOLUME
Compact 634" long
Unitersisht. 9 pounds

CONSTANT VOLUME
512" Leng, 8 pounds
All parts are interchangeable

VOLUME CONTROL OF CONT

LEUTHESSER BROTHERS
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AIRCRAFT PRODUCTION

Aircraft Yearbook Summarizes Allies' Phenomenal Air Progress

Circ accodynamic refinements in plants, increased engine power and efficiency and propeller development; credie constant improvements in crediat plants to war situation. Continuou mayrovement in com-

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her consumed. Photo change gramable has all one of the B rafe Production's Lancaster plents.



C-66 Christs Commandes, converted into flung search att) sucheins a grinder, orber press, thall green, small shore by the AAF Material Conversed, have been an letter uniform apparatus. Power plant of 2,500 postfr for reserved damaged or prounded planes in advanced. The arrhorne shot also can make assists and table positions. Equipment of this airborne shop (tooking marks of aircraft too body damaged to be repaired.

chell, Douglas Harox, Lockheed erived the equivalent to seven Housed Mixeus, editor of the warbook points out that our ore- creased efferency and resultant dominantly superior technical surior of manhours is meeting progress in fiving equipment, our AAF schedules. stintenestly important combat au- Contracts Discussed

New Republic Bonus amounting to \$6.4 percent, has bruning the apprecia of bosques duried bearings on the Rowwiter

Republic employees have re- plants.

fairs Committee this week to the with labor and government witnesses following. Hearings are be-doner to grade 300 yards of the incentive beaut for the ninth po- ing held despite passage of the runway in addition to the 2,000been past by Republic Aviation, Sensior Marray, recently con- quoted the pilot as saying he exweeks each since last Newmber to highly critical of the procedure as

it affected the workers in the plus about 1,000 feet of earth

New Runway Built is 34 weeks, referring their in- For Grounded B-24 of steel restring, 160 Army Rogocars and peeps, and a twenty-tent

Cornolidated 3-24 bomber at Ecterprise. Ore According to the June 15 terms of the Wellows The charman of the committee, \$256 Feet Lerway-The Charlton 200 feet lerway on the matting

AVIATION NEWS . July 10, 1914

MID.CONTINENT

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BUBBLE CANOPIES FOR P-67

ver muses. Paraglas has long been used for bomber mosts, one tormer. All B-24's at Plane

New Type Aileron Developed by Martin Said to permit increased lend.

conventional aviewens. These atleren, resulting in a loss of effect appared defection while still per- go than arrained are entirely

b Closes Gap-The new adecon m-

Navy Modifying Army Helldivers

Fige to Name Corns-The Delta

Ford to Assemble

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5 999 Liberatory in less than two VEHI & Approximately 1,000 of the The suppliery surfeit or glat in alloy extrusion, the sunifiery anfor a easily fabricated, yet if does

Helicopter Buses



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recognishle abox of your Swing your function from two wiles up

and you too, are made with Executed program serial currents AND INSTRUMENT CORPORATION



THE STORY OF ARRIAL PROTOGRAPHY IS THE STORY OF PAIRCRILD CAMERAS AVIATION NEWS . July 10, 1994



Writ Guards Secret Aluminum Process

An injunction restouning Daysplane Corp., frees ducfouzer a The not was instituted by Falr-

h Involves Secret Practice - The confidential position under rach circumstances as to make it in-

Tooling Dock Built By Convair A master tooling dock developed

* Three Directional-The dock is

a three-dimensional positioners

se American 155-sun hevitasa observers could not spot the by Leland A. Bryant, operalizing lending strip brought on sur shin the woods. The airrest save turner to build habt similares • One observer flew on 30 different

C-54 Material Analysis

Material analysis of a Douglet norry report use of more than a ton of steel bar in the Skywaiter, pounds; showmen tubes. 544

AA Hees New Latch American Airlines is installing a new positive action door latch devued to simplify deleas under While its possibilities have not been explosted, the tookur dook and Douglas engineers and has

'Icep' Missions

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days between Oct 11 and Nov lery Journal.

Reports on air observation post 15. Longest time in the air for work by field artiflery hause on sharryer was fire been, during Dis record fighting, whenever a percediale artillery attack. turning Cubs, often attack in the sends two Cubs together.

tacked by rife, machine gun, light AA fire, and by Me-10th, PW-196s, Ju-67s, and He-11 is In cela eec case were attacks made by single planes. "It is a tribute to the evening faction trigglit at 300. rivate drop gadget, so observation roomed on a mountage Water case chates reads of OD blankets. ON May 11, 1943, on Assessor

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CONTRACT POLYT, J. J., N. Y.

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SPOTTING JAPS

IN THE "WILLIWAWS"

> point the way dence to the beact of Japan

> EDO FLOAT GEAR Serves the United National EDG AUGUST OFF CORPORATION

Lag in Airline Issues on Invasion Traced to Post-War Prospects

Peak of industry's earning power probably set in 1943 for some time to come, failure of stocks to keep pace with rest

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"Numbringtrees" Power Plant: Under assembly in a plant of Wright Aerofour of which power Boring's B-22 Superferires

AVIATION NEWS . July 16, 1946

PLASTICS . . . REINFORCED WITH

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ARE HELPING MAKE AIRCRAFT STRONGER, LIGHTER AND SAFER



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AVIATION NEWS . NOT 10, 1944

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. . . and other pertinent articles.

OTHER AUDCRAFT USES OF FIREEGLAS YM-DE AIRCRAFT INSULATION

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FIREBULAS COATED

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SORRY. GENTLEMEN

-no enrollments accepted

UNTIL the war is won, California Flyers will accept no enrollments for its famous courses. There are two sound reasons:

We are busy, just as are so many plants in Southern California, beloing build could ment for the Aircraft Industry. And that's more important than anything else-

In the second place, we are planning com-

pletely new, modern courses for after the war. It is obvious that developments in flying, maintenance and airport management which have come from the war have made 90 per

FREE BOOK FOR MEN

UNDER 17

" We have a through surber of our old

charles in some st-

cent of pre-war courses obsolere-ours. along with the rest.

And as you know, California Flyers courses have long been known for being not only practical but soulers in every respect. Consequently, while our plant is converted 100 per cent to war work, we have discarded our old courses.

When the war is won, you will find not only a brand new California Figers school, with brand new, up-to-the-minute equipment, but a brand new series of courses. We think it will be well worth waiting for.

California Flyers, Inc.

SCHOOL OF APPONAMING

C-W Tops Billion In Dollar Volume neuro mada \$1,295,256,317. a

Shapments of agreeaft, engines dollar mark, totaltag \$1.291.235.over 1943, the largest of any of Prop. 1242 Nark-Ton Grare commerce with 1943 shappeneds of

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Fairchild President Gets Stock Option

Breest Bobsson, serior wor-

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Sperry Corp. Sclls Brooklyn Plant Plans to use new Loan Island

More than \$12,000,000 has been

Sperry past \$1.50 a share w



IMPORTANT FACTS for cirsirbert executives, fixed-base attractors, advertising and sales managers, educations agency ..

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TRANSPORT

ATA Group Resumes Plans for Post-War Commercial Transports

Aircraft Requirements Committee reported making good progress on specifications and performance of ideal fourengine type.

By MERLIN MICKED

connection with the veturn of

progressing rapidly on the ideal The lynes are known as the sensers with 1,000 to 2,000 pounds

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NRC Body Discusses Air Pilot Training

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Weshington's New ATC Terminals. Work once about . National Autoret in the Air Transport Communit. Th

ATC Terminal to Be Ready Next Month

live and crowded familia

Expected to case congretion of monal Airport duty. The Command looks to the new domestic and international ATC structure, residly presses to over- furbits. The proportions of each pleton, as a solution to a couper- in the 1,500 and 2,500 fluids a Facilities inadequate-Not only Afracastration Aut how it will cargo, and the heigher and shoos

Military security has been any sengers will deplace at the new tions personnel of the present FCAA Pays Half-CAA is paying operations, which take place at an \$350,000, or roughly half the out and of the field easily visible even of the new development. The After the war, when ATC is soldern correspondence and other

fit into the surport setup when it is described in Aviation Nava Apr.

Port Theories Diseassed-Several small ones.

West Virginia Aviation Problems Discussed at State Conference

Air-moded delegates from pearly 200 communities seek solution to difficult port situation in mountainous areas in forum

By DANIELS WENTZ II

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International Terminal Flow Chart: The course in-AVIATION NEWS . July 18, 1944

AVIATION NEWS . July 16, 1906

spreed participation in avietors, for West Varsinia by representa-East-West routes, and may possibly sean Wastern DCA and TWA store. Forry Pilor's Viewpoint - Coot. Edger J. Wynn, former Ferry

Board of Acceptanties Welter L. tio Association, Rec. Juntaters Randelph was charmen. Wheeleng

Helicopter Line Okayed in Mexico

Works is announced by the Office of the Coordinator of Inter-Amer-

coptors in the U. S. have been ob- route miles, 5,345 of which Aluska tained according to the company. dualicates.

Plane Allocations Lodester consistent among

ports are that the group will hires total to MT. correspond



CAB Turns Down Alaskan Line Deal

failed to meet the approval of the The decision carried an order

nearest competitor is Wien Alaska Airlance with 2 535 route review and rates 1 070 wiles of Wure's system reate miles and 17 points. interner Alaska, instaling Wies. Alnes Airlines operate \$560

In view of these facts, the Board "Thus envolumen is not intended with distayor on the building up

Applications Seek Route Improvements

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b Extension Asked-American fled Calif. Should the application be

De Cooley John between Aberdon and Se-nede Works and Abardons and Facilitati Ove The madinate Folgons to coty mel, yea-singers and express on administrative with and independent to a Demonstrative stop-S. S. and M. Lenn, Inc., Frontophen, More-by bellespies routes in Massychologie, Ravin stand, and Comprehen. The applicants white death in own the Control, Witcomby

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248 New Coast Ports

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Design for air transportation in the West

Western Air Lines' dearn for weaving the entire West speecher with rouses that will provide the finest possible nic transportation, was a step nesser completion as a Induced's 13400 miles of courts, employees, facilities and

communicative Western new opportunity to hour broader service to the curvelet and shipper of the West, at a turne the West rodge are later see "life" lines to many mushrooming regions.. many new markets And Western Are been in the West and owned in the West, has recticular knowledge and appreciation of the problems of the West. Addition of Inland properties is only one step toward.

Western Air's plus to eventually the many communities. modern transportation... bring them closer to

GANGRAS OFFICER: SAN W. SPETH ST., LOS ANGULES, LA. CALIF.

WESTERN AIR LINES Americas Diener Anting





Custimizated Are Lines references on July 25 the tenth. named Continuated Are Lines, Inc. Other nacture is ammirenary of the first mail run. Picture about Jesus that of Livet Chi Robert F Str., who has returned in by Postmatter M. L. Burleaun of St. Pano before the after groung nearly 30 months with the Army. Cal. first El Paro-Public flight July 15, 1924. The line. Siz was denote bert consequent in the Air Transstoried as Varney Speed Lines, become Varney Air part Commond at Merricon Piels, used of Poles

DC-3 Averages 15.9 Hours a Day

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Pre-War Use--Pre-Presi Harbor

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Uniform Airline Sr. Paul ark toenralance of

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federal law does not adequately names" that is somed at abury re- be the emphasis placed upon only > Gas Tax Opposed—The associa-

AVIATION NEWS . July 10, 1944



"Die been" is one of the bestert follows on the Riche Production Line wheeling on about the of every motor accolleged and accombining according for a new kind of food tourcetton. He makes the most thoughth and accurate use, fight checkers not destand, 8 Robe entireers developed several "Do. lean" models such for a southe took to help Robe Production Fifthern materials the effections of their skills, com while marking at top smed. They are need to "chay" Liberator and Constellation make nacelle assembles and numberted exceptantes testallations # These weekswird busine made modelly, accomplished with professor and contains such formula parties. ing thirty individual importions with a variety of equipment. * "Dr. Jeep"

Held show till V metarity is symbolic of developments in war plants throughout America, where engineers labor to tree American bomber and ficktor errore strylence of maximum dependshinty and in dreat daugitty. A Today we see "on the job to finish the job." After the way, this same American expecity to colve problems must be

tires a full assortanity to erests the labe that will win the scare we fight for

ROME AMERICA CORPORATION, CHULA PIETA, CALIF. - HELPING TO WRITE THE STORY OF TOMORROW ATTATION NEWS . July 18, 1866

A LEADING COCNETICS MANAFACTURES OFFICERS.

"We can down the sare of our to effect to ourself union of arrennemately 25% of the most and cardboard; standardised our window displays and eliminated

all discours as well as spens. shelves and secondary clanes. We also folded all displays in bull on some more than 50% of

A RIG PLATE GLASS COMPANY REPORTS:

"Our 1944 Color Book was protoced at size and quarray, regularing in a paper severar of 136,000 pounds. Our Color Cards, of which four or face willion are used annually, were reduced in use it an arrigonament terhacistes of 50% in paper tomastic. We have danissed our Dealer Sales Portfolio. Our Color Book has become a 'self mailer,' eliminative



ONE OF THE TOP LIFE INSURANCE COMPANIES REPORTS:

"In 1966 we will consinue to specify lighter all mossible stems further to reduce paper concare. We are sastructure our field offices to agrazione carefully all requests for printed ensemial and to disapprove all requests for quan-



In advertising and promotion no are using above 30% of the smoure of postne and otoer used in 1941 - that represents

about 2/5 saving, However. whenever possible this year as





The adventumers consiliused by this publication and prepared by the War Adventura,

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and local taxetion, named by the national assertation. He said the

Aviation Heads Plan Fight on New Laws

Eastlearn edded that "we feel

Awarded to the Men and Women of The IFA MFG. CO. June 27 1944



Honor to Faithful Workers

Recognition of an Industry

The Army and New "F" Award is a tribute to workers . . . a tribute to those who plan, design and produce . . . and rightly sol. We have at Lea are deenly becared by the recognition accorded us by the two great Services. But in a sense, this award more than encompasses just our plant and our employees. It is recognition of the vital part has finishing appreciant and Lee compositions play in the algoratic task of producing implements of wor.

Yes, we at Leo are mighty proud of the "E" Pennant that will now grace our plant. But we are deeply conscious of the fact that it immoves a agent responsibility. More kneety than ever do we all realize that the fruits of our efforts here are needed for the yest war production being corried on by American In-

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Burring, Buffley and Polishing . . . Manufacturers and Specialists in the Donolan-

Now McGRAW-HILL ROOKS

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(Miss.), Memphis, New Orleans. 147 So. Americans In CAA Air School

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HEADLINES

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THE ASIAN AIR ASSOCIATES

Wavel House, 15 Greham Read . Balland Ratate, Fort, Rombay

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Multiple Tax Bill

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AVIATION NEWS . ANY 10, 1964

AVIATION NEWS . July 10, 1986

Committee Goes to Work

PWOST FLAN OF JULY TRUTTS and the handful of Sen- want adversarie. Then with a recess prompters. Sen-House aggreeal of CAR's series of bearings on in-

members of the Lengue board and executive commit-ment.

Browster barely had left Washington when avinback to Washington, and on the day of the recess a

Be defeat, brought about by a commendable demon- coded on the more formally of writing a letter to the stration of power and mark by the system, has malls. President, with carbon corner to the Binty Depart-

But the bulance still by with the chosen matrix. The CAB on a farrier route application

Constructive Moves

A SECURIAL IN ANISHES NEWS, June 5, seserted too; (2) that stare boards will be set up. (4) that the new Cen) Air Petrol Lemme, to satisfy by-laws will be prefer in accordance with the determine whether these concentrarits are sufficient



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